

LAHIVE
&
COCKFIELD
L L P

COUNSELLORS AT LAW
28 STATE STREET
BOSTON, MASSACHUSETTS 02109-1784
TELEPHONE (617) 227-7400
FAX (617) 742-4214
lc@lahcoc.com

JOHN A. LAHIVE, JR. (1928-1997)
THOMAS V. SMURZYNSKI
RALPH A. LOREN
GIULIO A. DeCONTI, JR.
ANN LAMPORT HAMMITTE
ELIZABETH A. HANLEY
AMY BAKER MANDRAGOURAS
ANTHONY A. LAURENTANO
KEVIN J. CANNING
JANE E. REMILLARD
DAVID A. LANE, JR.
JEANNE M. DIGIORGIO
DEBRA J. MILASINCIC, Ph.D.
NICHOLAS P. TRIANO, III
TIMOTHY J. DOUROS
WILLIAM D. DeVAUL
CATHERINE J. KARA, Ph.D.

CHI SUK KIM
DAVID J. RIKKERS
DAVID R. BURNS

SENIOR COUNSEL
W. HUGO LIEPMANN
JAMES E. COCKFIELD

OF COUNSEL
JEREMIAH LYNCH
WILLIAM A. SCOFIELD, JR.
PETER C. LAURO *
DeANN FORAN SMITH**

* Admitted in NY only
** Admitted in MI only

PATENT AGENTS
MEGAN E. WILLIAMS, Ph.D.

TECHNICAL SPECIALISTS
MARIA LACCOTRIPE ZACHARAKIS, Ph.D.
CYNTHIA M. SOROOS
PETER W. DINI, Ph.D.
JENNIFER L. ELLIOTT, Ph.D.
LAUREN C. FOSTER, D.Sc.
EUIHOON LEE
ERICK B. BERGLUND, Ph.D.
LISA M. DIROCCO

RECEIVED

MAY 04 2000

TECH CENTER 1600/2900

April 27, 2000

Assistant Commissioner for Patents
Box Sequence
Washington, D.C. 20231

Re: U.S. Patent Application Serial No.: 09/362,286
*Expression of G Protein Coupled Receptors with Altered Ligand
Binding and/or Coupling Properties*
Inventors: Anupama K. Nadkarni and Joshua Trueheart
Filed: July 27, 1999
Attorney Docket No.: CPI-099

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Transmittal of Diskette of Sequence Listing;
2. Response to Notice to Comply for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures;
3. Diskette containing Computer Readable Form of the Sequence Listing;
4. Hard copy of the Sequence Listing (pages 1-11);
5. A copy of the Notice to Comply for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures;
6. A copy of the Request for One-Month Extension of Time; and
7. An Acknowledgement Postcard.

Please charge any underpayments or credit any overpayments to our Deposit Account No. 12-0080. The undersigned requests any extensions of time necessary to respond. A duplicate of this sheet is enclosed.

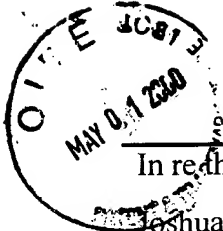
I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box Sequence, Washington, D.C. 20231 on:

April 27, 2000
Date
Peter C. Lauro
Peter C. Lauro, Esq., Reg. No. 32,360

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

Peter C. Lauro, Esq.
Registration No. 32,360
Attorney for Applicants

LCF/teb
Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Anupama K. Nadkarni and
Joshua Trueheart

Serial No.: 09/362,286

Filed: July 27, 1999

For: *Expression of G Protein Coupled Receptors with
Altered Ligand Binding and/or Coupling Properties*

Attorney Docket No.: CPI-099

Group Art Unit: 1644

Examiner: Murphy, J.

Assistant Commissioner for Patents
Box Sequence
Washington, D.C. 20231

RECEIVED
MAY 10 2000
TECH CENTER 1600/2900

Certificate of First Class Mailing (37 CFR 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box Sequence, Washington, D.C. 20231 on the date set forth below.

April 27, 2000
Date of Signature and of Mail Deposit

By:

Peter C. Lauro
Peter C. Lauro, Esq.
Reg. No. 32,360
Attorney for Applicants

TRANSMITTAL OF DISKETTE OF SEQUENCE LISTING

Dear Sir:

Enclosed is a diskette which contains a computer readable form of the Sequence Listing for the above-identified patent application. The Sequence Listing complies with the requirements of 37 C.F.R. §§ 1.821-1.825. The material on this diskette is identical in substance to the Sequence Listing appearing on pages 1-11 of the specification, which is submitted herewith.

The computer readable form of the Sequence Listing contained on the enclosed diskette is understood to comply with the requirements of § 1.824.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

A handwritten signature in black ink, appearing to read "Peter C. Lauro", written over a horizontal line.

Peter C. Lauro, Esq.
Registration No. 32,360
Attorney for Applicants

28 State Street
Boston, MA 02109
(617) 227-7400
Date: April 27, 2000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Anupama K. Nadkarni and
Joshua Trueheart

Serial No.: 09/362,286

Filed: July 27, 1999

For: *Expression of G Protein Coupled Receptors with
Altered Ligand Binding and/or Coupling Properties*

Attorney Docket No.: CPI-099

Group Art Unit: 1644

Examiner: Murphy, J.

Assistant Commissioner for Patents
Box Sequence
Washington, D.C. 20231

Certificate of First Class Mailing (37 CFR 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box Sequence, Washington, D.C. 20231 on the date set forth below.

April 27, 2000
Date of Signature and of Mail Deposit

By:

Peter C. Lauro
Peter C. Lauro
Reg. No. 32,360
Attorney for Applicants

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT
APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID
SEQUENCE DISCLOSURES**

Dear Sir:

In response to the Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, forwarded with the Office Action (Paper No. 5) mailed from the Patent Office on March 15, 2000, Applicants' attorney submits herewith: a Sequence Listing in computer readable form as required by 37 C.F.R. 1.821(e); a statement that the content of the Sequence Listing appearing at pages 1-11 of the specification submitted herewith and the computer readable copy are the same as required

under 37 C.F.R. 1.821(f); and a copy of the Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures.

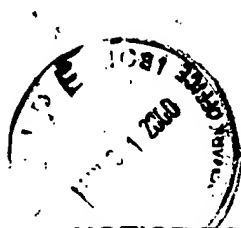
A request for a one-month extension of time in which to respond and the appropriate fee based on large entity status were submitted with a Response to Restriction Requirement Pursuant to 35 U.S.C. § 121 filed concurrently on even date herewith. A copy of the Request for One-Month Extension of Time is enclosed herewith. The Commissioner is hereby authorized to charge payment of any additional fees or credit any overpayment to our Deposit Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

A handwritten signature in black ink, appearing to read "Peter C. Lauro", written over a horizontal line.

Peter C. Lauro
Registration No. 32,360
Attorney for Applicants

28 State Street
Boston, MA 02109
Telephone: (617) 227-7400
Facsimile: (617) 742-4214
Date: April 27, 2000



Application No.: 69 B6228

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☒ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE